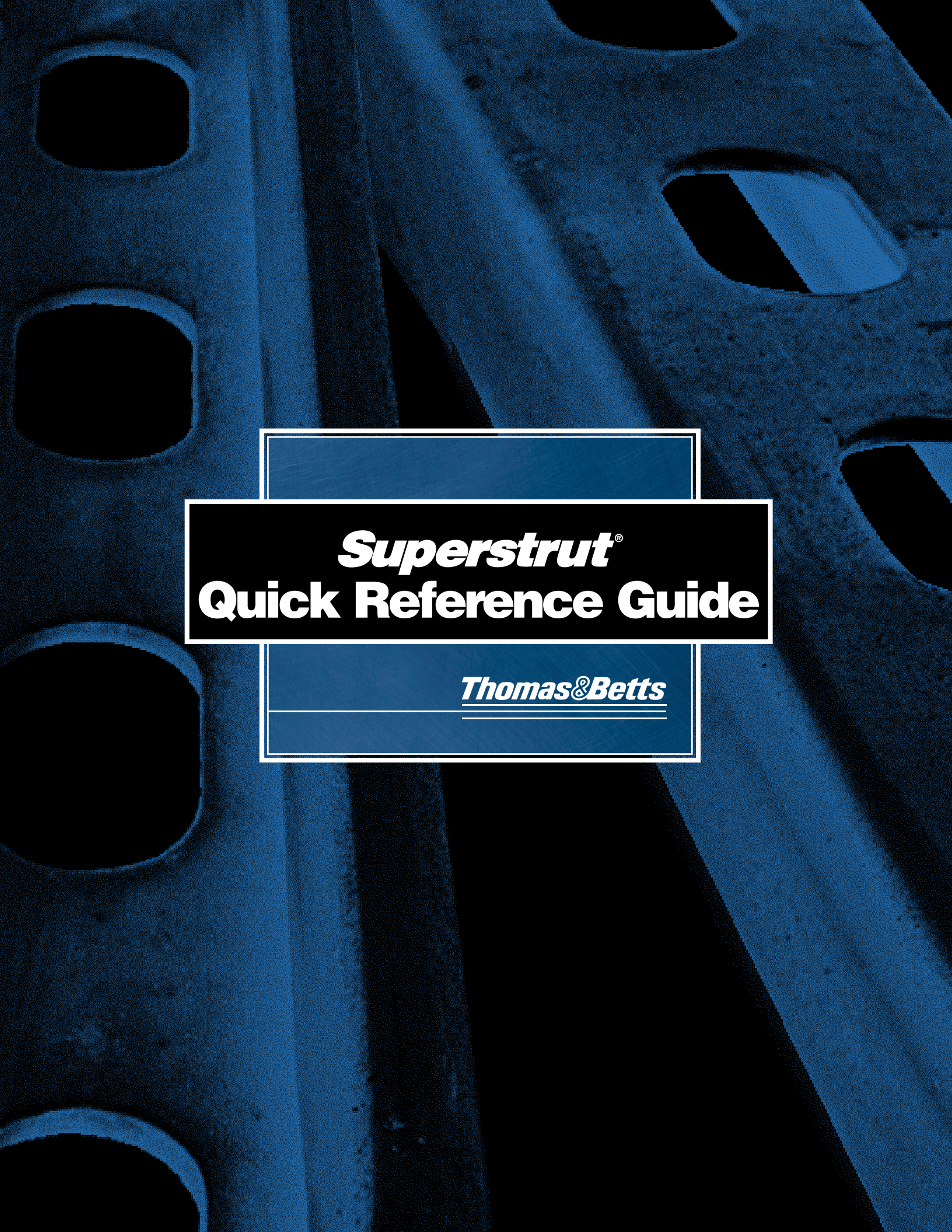


Superstrut®
Quick Reference Guide

Thomas&Betts

SUPERSTRUT FINISHES

GoldGalv™

Thomas & Betts Superstrut products are provided in a wide variety of finishes to meet most metal framing needs. GoldGalv finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and superior paint base.

The .5 mil electrogalvanized plating, rather than a standard galvanized coating, creates a cohesive molecular bond between the zinc and the steel. This resists future blistering or peeling, since corrosion cannot penetrate the bond. The plating is performed in compliance with ASTM specifications (B 633-85.) Electrogalvanizing provides an even distribution of zinc even on threads, unlike other galvanizing methods.

The GoldGalv hardware finish also provides a low electrical resistance when grounding of the system is required. Superstrut channel and fittings are plated after fabrication, so there are no unprotected edges from cutting or punching. The distinctive gold color of Superstrut products identifies your job as providing the superior GoldGalv hardware protection you expect from the industry leader. Thomas & Betts provides the widest variety of finishes in the industry. Check through the following finish types to select the one most suited to your needs and budget.

Green or White Urethane Powder

Coated (Suffix GR or WH)

Urethane powder resins are applied electrostatically to the steel after fabrication. A minimum of 1.5 mil thickness of urethane chemically bonded coating provides excellent resistance to chipping or peeling.

Pregalvanized (Suffix PG)

A zinc coating is applied by hot-dipping the steel coils at the mill prior to fabrication. Superstrut pregalvanized material is in conformance with ASTM A-525/G-90 specification standards, providing 0.90 ounces of zinc per square foot of steel.

Hot-Dipped Galvanized (Suffix HDG)

The material is zinc coated after fabrication providing total product protection on all surfaces. The result is a coherent bond for superior corrosion resistance as compared to pregalvanized material. Hot-dipped galvanizing is not recommended for threaded products.

Superstrut hot-dipped galvanized is in conformance with ASTM Specifications A-123, Grade 65. A minimum of 2.5 mils thickness is maintained.

Electrogalvanized (Suffix EG)

Steel and .5 mils of zinc are bonded by an electrolysis process. This is the identical process used in the GoldGalv hardware finish without the numerous benefits of the gold colored dichromate conversion coat. Electrogalvanizing is most commonly applied to small fittings, hardware, and threaded products.

PVC Coated (Suffix PVC)

A polyvinyl chloride (PVC) plastic coating is fused to the channel, fitting or accessory after fabrication by immersing the part in fluidized PVC tanks. The fused-melt mixed powder PVC coating thickness is 15 mils (.015") plus or minus five mils. PVC material is a thermoplastic and will soften in high temperatures. Threaded Products Are Not Available In PVC Coating.

Copper Plated, Pipe Straps and Hangers only, (Suffix "T" inserted as the second digit of the part number; example: CTL-710-2)

Plain steel is rinsed thoroughly to clean the material surface. Once cleaned, the fabricated part is acid etched to prepare the surface for adhesion. Copper is electrically applied. To seal the finish, the products continue to a sealer tank and are then dried.

Black (Suffix B)

A black finish is raw steel with only a light oil finish as supplied by the steel manufacturer. There is no protection against red rust.

Stainless Steel (Suffix SS)

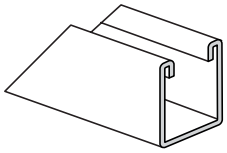
Superstrut channel is supplied in type 304 stainless steel. Type 316 stainless steel, (Suffix SS 316), may be available upon request.

Aluminum (Suffix AL)

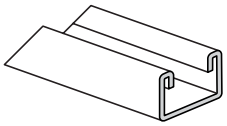
Superstrut channel and hardware are available in aluminum.

Steel Channels

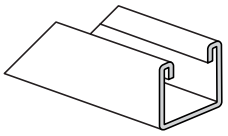
GoldGalv® finish • 7/8" Continuous Slot. • 10 ft and 20 ft. lengths.
Also available in pre-galvanized, green, hot dipped galvanized, stainless steel, aluminum, and PVC coated.



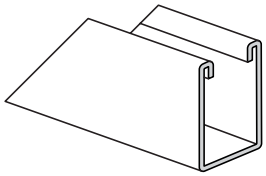
A-1200 (12 ga.)
A-1400 (14 ga.)



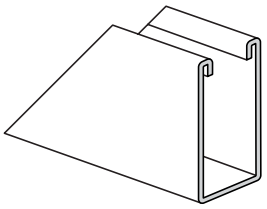
B-1200 (12 ga.)
B-1400 (14 ga.)



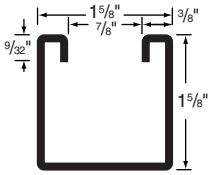
C-1200



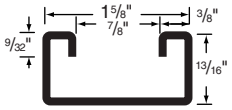
E-1200



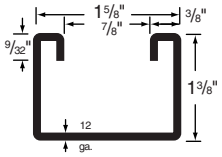
H-1200



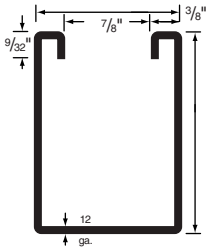
A Series



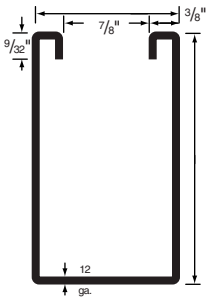
B Series



C Series



E Series



H Series

Product Code Sample

Product Identification Code Selection and Example

When specifying or ordering a Thomas & Betts channel product from the catalog, specify the product series model number as shown, select gauge, if needed specify hole designation such as HS for half slot, then length and finally the material finish suffix shown on the previous page such as SS for stainless steel.

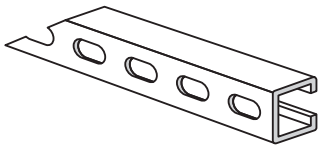
Example: To specify a 12 gauge, 1 5/8" channel with half slot in stainless steel, 10', your code designation would be A-1200-HS-10-SS.

Note: If no other finish is selected, our standard GoldGalv finish will be provided.

A-1200-HS-10-SS

A	*Product Series Number*
1200	*Gauge Thickness*
HS	*Hole Configuration Type (If No Holes Are Required Leave Blank)*
10	*Length in feet*
SS	*Material finishes suffix (SS for Stainless Steel)*

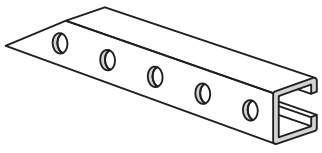
Hole Configurations



Half Slot Channel (HS)

A-1200-HS	1 5/8" x 1 5/8"
B-1200-HS	1 5/8" x 13/16"
C-1200-HS	1 5/8" x 1 3/8"
E-1200-HS	1 5/8" x 2 7/16"
H-1200-HS	1 5/8" x 3 1/4"
A-1400-HS	1 5/8" x 1 5/8"
B-1400-HS	1 5/8" x 13/16"

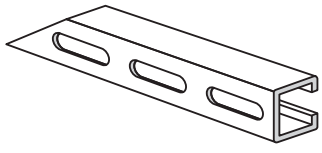
9/16" x 1 1/8" slots on 2" centers



Punched Channel (P)

A-1200-P	1 5/8" x 1 5/8"
B-1200-P	1 5/8" x 13/16"
H-1200-P	1 5/8" x 3 1/4"
A-1400-P	1 5/8" x 1 5/8"
B-1400-P	1 5/8" x 13/16"

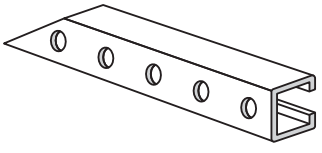
9/16" holes on 1 7/8" centers



Slotted Channel (S)

A-1200-S	1 5/8" x 1 5/8"
B-1200-S	1 5/8" x 13/16"
A-1400-S	1 5/8" x 1 5/8"
B-1400-S	1 5/8" x 13/16"

7/16" x 3" slots on 4" centers



Channel w/Knockouts (KO)

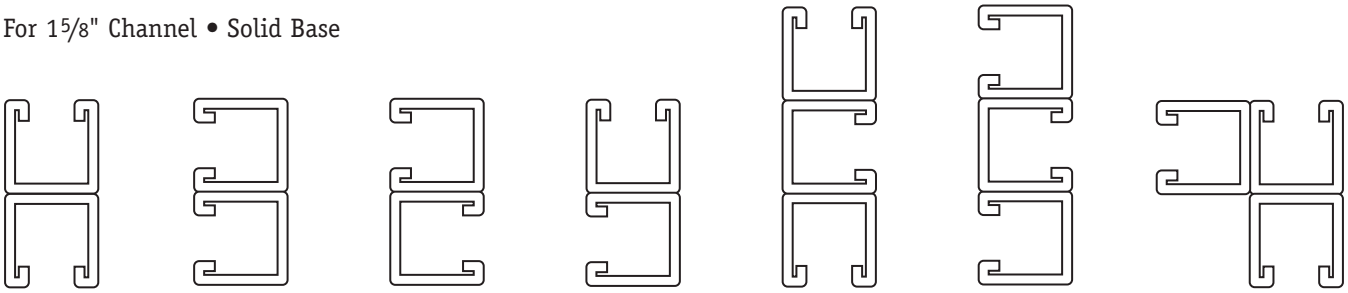
A-1200-KO	1 5/8" x 1 5/8"
A-1400-KO	1 5/8" x 1 5/8"

KO for 1/2" conduit

Combination Channel

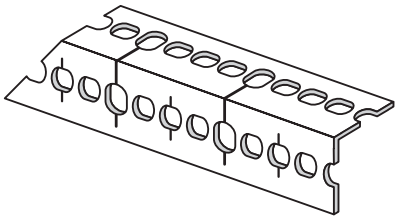
"A" Series Section (Also available in "B","E","H",&"C" Series Sections)

For 1⅝" Channel • Solid Base



A1202 (Available in HS Holes) | **A1202-A** | **A1202-B** | **A1202-C** | **A1203-A** | **A1203-B** | **A1203-C**

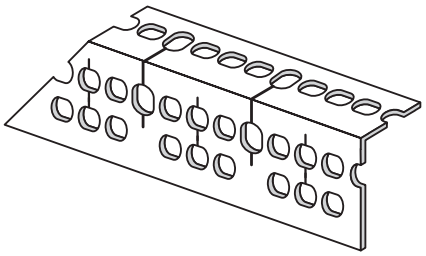
Slotted Angle



RA-160 Slotted Angle

Cat. No.	*Length*
RA-160-10	10"
RA-160-12	12"

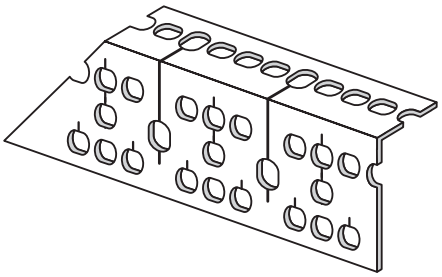
Type RA-160
1⅝" x 1⅝" x .080" (14 gauge)



RA-225 Slotted Angle
Heavy Duty

Cat. No.	*Length*
RA-225-10	10"
RA-225-12	12"

Type RA-225
2⅜" x 1⅝" x .080" (14 gauge)

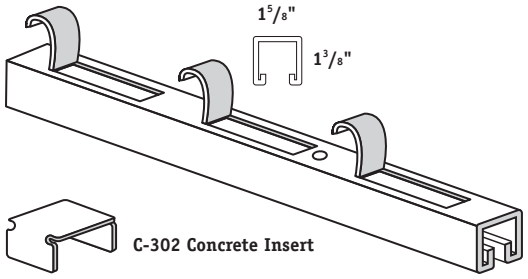


RA-300 Slotted Angle
Extra Heavy Duty

Cat. No.	*Length*
RA-300-10	10"
RA-300-12	12"

Type RA-300
3¼" x 1⅝" x .104" (12 gauge)

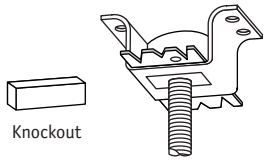
Concrete Inserts/Other Items



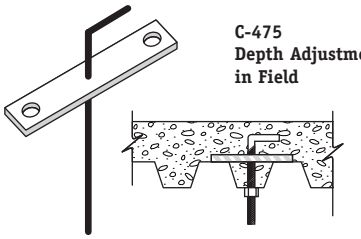
C-302 Concrete Insert

C-804 End Cap

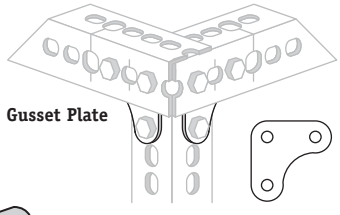
452-Spot Insert



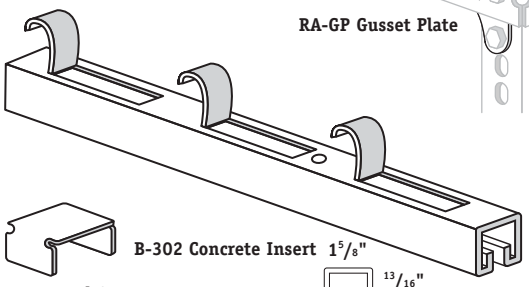
Knockout



C-475
Depth Adjustment in Field



RA-GP Gusset Plate

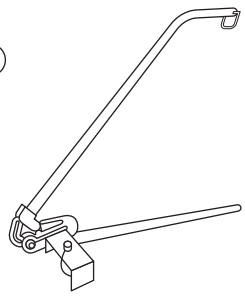


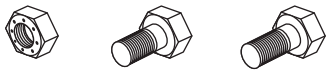
B-302 Concrete Insert 1⅝"

13/16"

B-804 End Cap

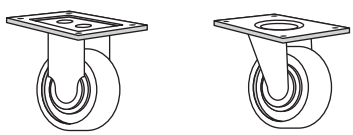
RAC – Portable Cutter



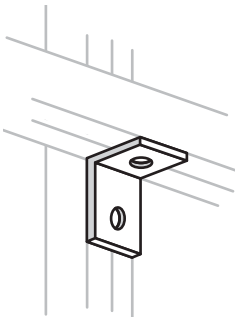


Nuts Serrated for Self Locking – RABN

Rigid and Swivel Casters



RA-RC Rigid Center **RA-SC Swivel Caster**



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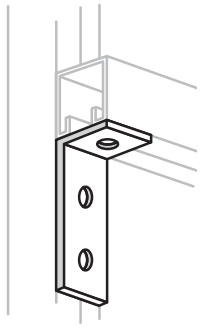

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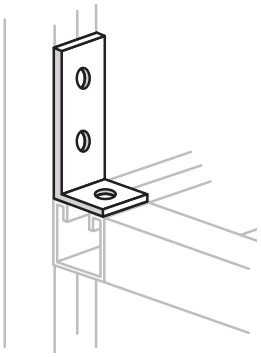

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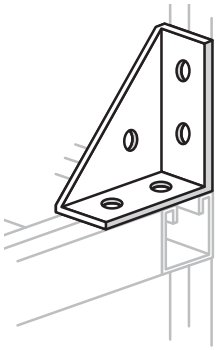
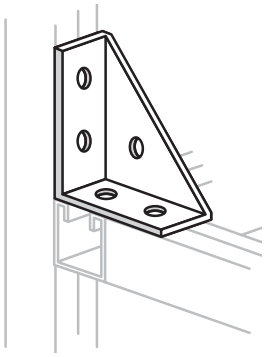


AB-213



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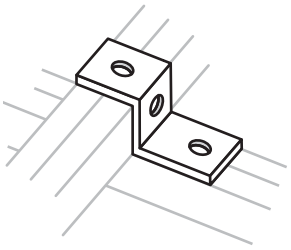
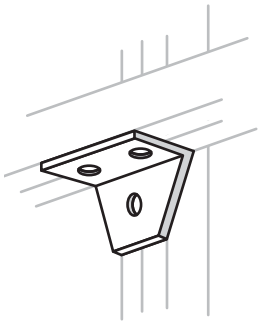


A-209
For attaching "A" series channel



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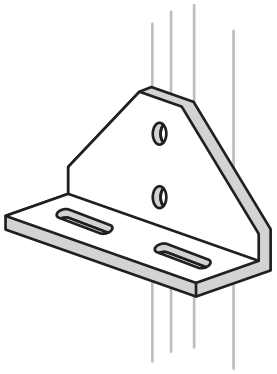
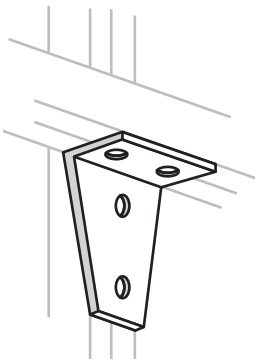


X-204



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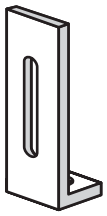

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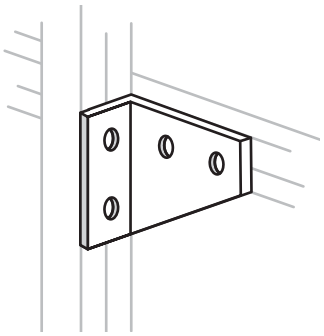

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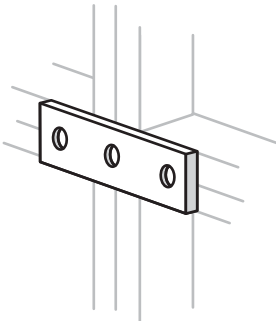

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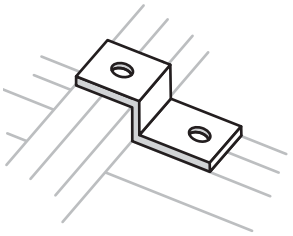
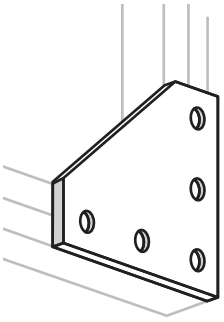
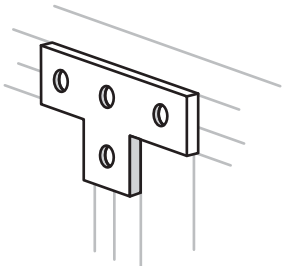


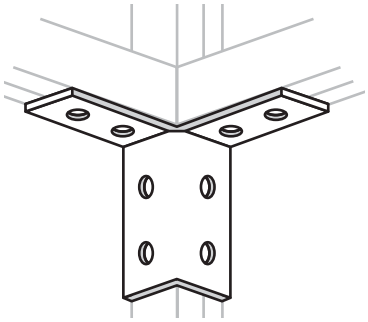
B-209
For attaching "B" series channel



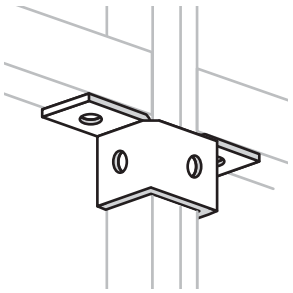
AB263



AB220



A217



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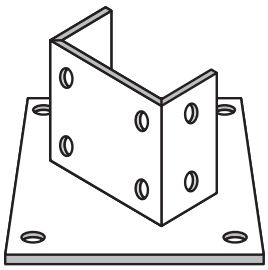
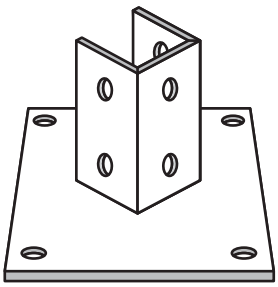
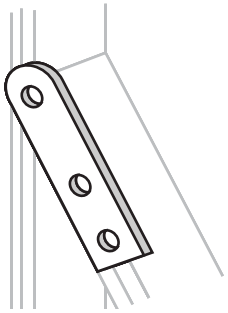


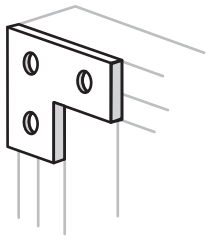
AP-235



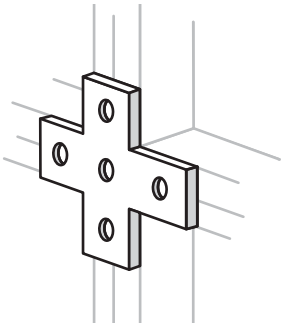
AP-232



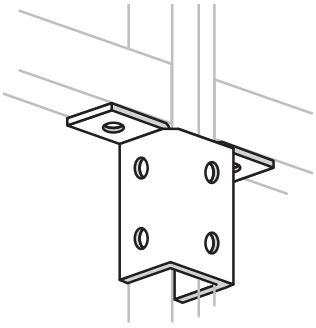
AB-240



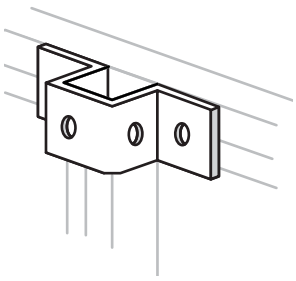
AB-219



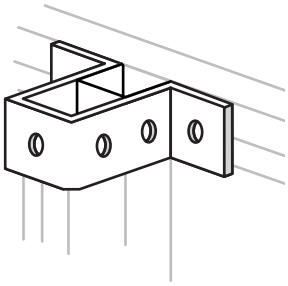
AB-253



AW-224



A-210



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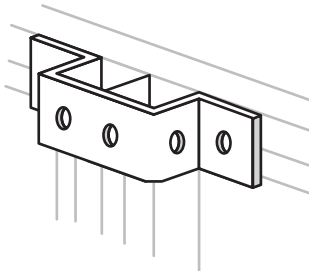
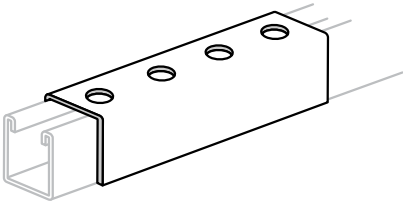
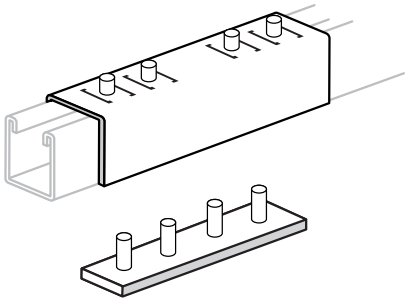


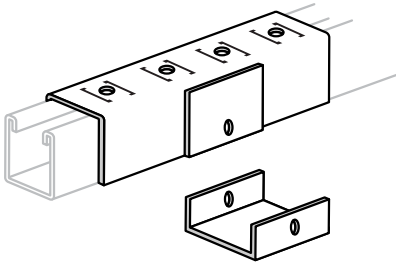
A-212



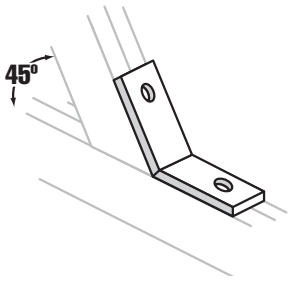
A-208
For attaching
"A" series channel



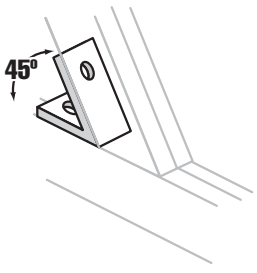
A-802
Furnished complete
with nuts



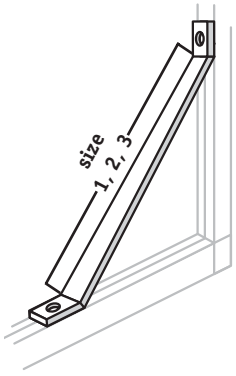
A822
Furnished with Hardware



AB-227

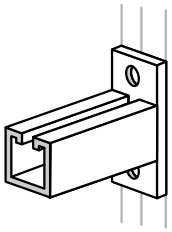


AB-225

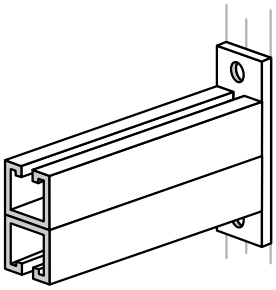


AB-239

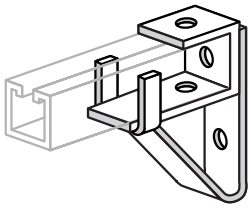
Size	Length
1	8 1/2"
2	17"
3	25 1/2"



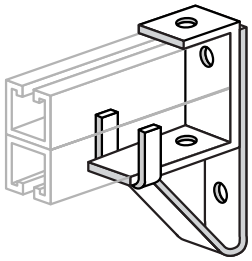
S-250 Series



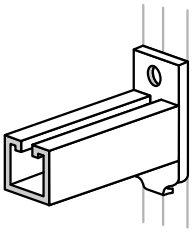
S-251 Series



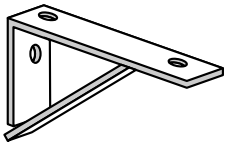
S-247



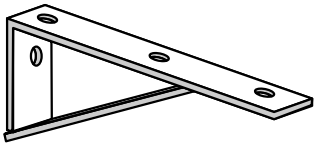
S-248



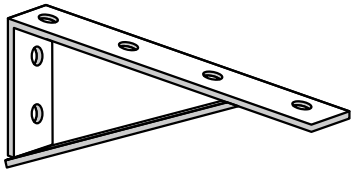
S-256 Series



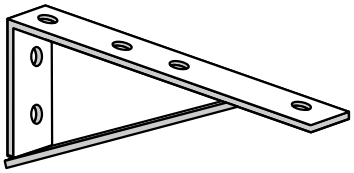
S-204



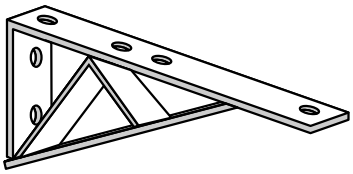
S-205



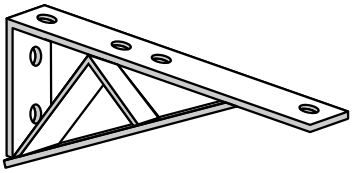
S-217



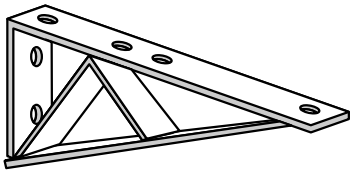
S-218



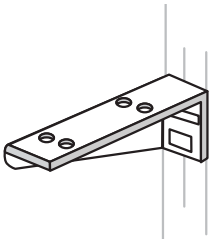
S-222



S-226



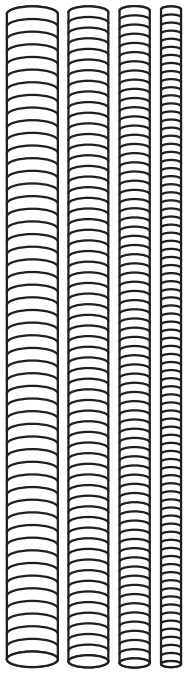
S-236



S-201 L,R

THREADED ROD

H-104 Hanger Rod Continuous Thread Standard Finish: Goldgalv



H-10 Hanger Rod

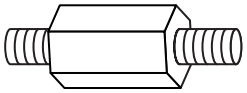
Cat. No.	Thread Size
H-104 – 1/4 x 6	
H-104 – 1/4 x 10	1/4" - 20
H-104 – 1/4 x 12	
H-104 – 3/8 x 6	
H-104 – 3/8 x 10	3/8" - 16
H-104 – 3/8 x 12	
H-104 – 1/2 x 6	
H-104 – 1/2 x 10	1/2" - 13
H-104 – 1/2 x 12	
H-104 – 5/8 x 6	
H-104 – 5/8 x 10	5/8" - 11
H-104 – 5/8 x 12	

Hanger Rod Load Chart

Rod Size	Ultimate++ Load in Lbs.
1/4 - 20	900
3/8 - 16	1900
1/2 - 13	3500
5/8 - 11	6000

++Safety factor of 3.

H-119 Steel Rod Coupling



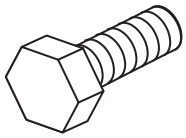
H-119 Steel Rod Coupling

Cat. No.	Rod Size
H-119 - 1/4	1/4
H-119 - 3/8	3/8
H-119 - 1/2	1/2
H-119 - 5/8	5/8

THREADED HARDWARE

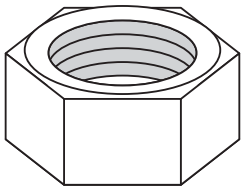
E-142 Hex Head

Cat. No.	Size	Wt./Lb. Per 100
E-142 – 1/4 x 1	1/4 x 1	1
E-142 – 1/4 x 1 1/4	1/4 x 1 1/4	2
E-142 – 1/4 x 1 1/2	1/4 x 1 1/2	2
E-142 – 1/4 x 2 1/4	1/4 x 2 1/4	3
E-142 – 3/8 x 3/4	3/8 x 3/4	3
E-142 – 3/8 x 1	3/8 x 1	4
E-142 – 3/8 x 1 1/4	3/8 x 1 1/4	4
E-142 – 3/8 x 1 1/2	3/8 x 1 1/2	5
E-142 – 3/8 x 2 1/4	3/8 x 2 1/4	7
E-142 – 1/2 x 15/16	1/2 x 15/16	9
E-142 – 1/2 x 1 1/4	1/2 x 1 1/4	9
E-142 – 1/2 x 1 1/2	1/2 x 1 1/2	10
E-142 – 1/2 x 2	1/2 x 2	14
E-142 – 1/2 x 2 1/2	1/2 x 2 1/2	16



E-142 Hex Head Cap Screw (less nut)

For Connections of fittings to channels, use H-113-A for 3/4" deep channels and H-113-B for all other channels. Galv-Krõm® finish.



E-145 Hex Nut

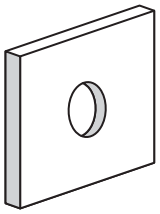
For Cap Screw applications. Galv-Krõm® finish.

E-145 Hex Nut

Cat. No.	Size	Wt./Lb. Per 100
E-145 – 1/4	1/4	1.2
E-145 – 5/16	5/16	2.0
E-145 – 3/8	3/8	3.2
E-145 – 1/2	1/2	5
E-145 – 5/8	5/8	9
E-145 – 3/4	3/4	13

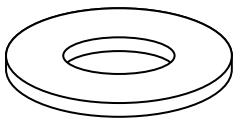
AB-241 Square Washer

Cat. No.	Dimen. in Inches Size	Dimen. in Inches Thickness	Wt. in Lbs./C
AB-241 – 1/4	1/4	1/8	8.1
AB-241 – 5/16	5/16	1/8	8.0
AB-241 – 3/8	3/8	3/16	11.50
AB-241 – 1/2	1/2	1/4	14.36
AB-241 – 5/8	5/8	1/4	13.50
AB-241 – 3/4	3/4	1/4	12.50
AB-241 – 7/8	7/8	1/4	13.0

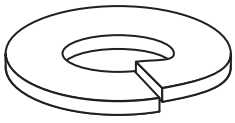


AB-241 Square Washer

E-147 Flat Steel Washer



E-148 Lock Washer



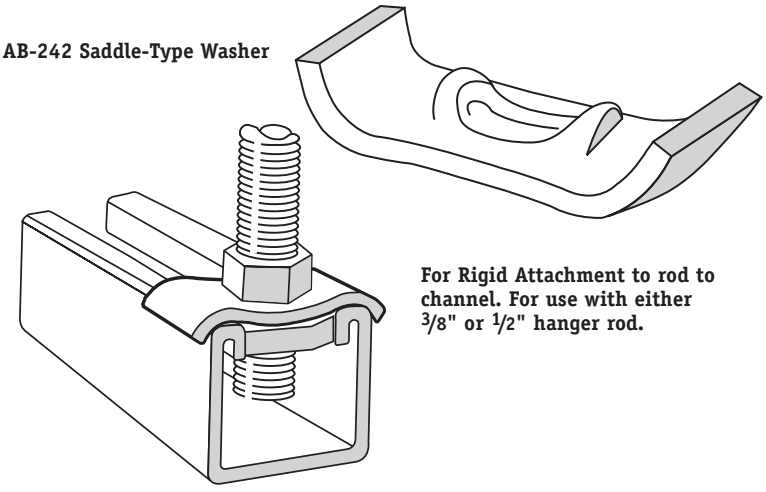
E-147 Flat Steel Washer

Cat. No.	Size in Inches	Wt. in Lbs./C
E-147 – 1/4	1/4	.67
E-147 – 5/16	5/16	1.2
E-147 – 3/8	3/8	2.0
E-147 – 1/2	1/2	3.85
E-147 – 5/8	5/8	7.70
E-147 – 3/4	3/4	9

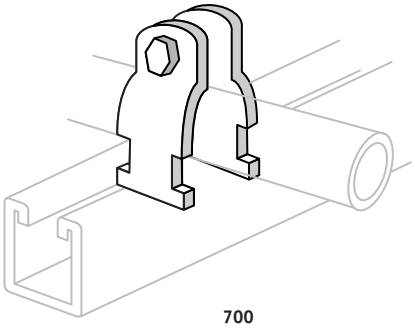
E-148 Lock Washer

Cat. No.	Size in Inches	Wt. in Lbs./C
E-148 – 1/4	1/4	.259
E-148 – 3/8	3/8	.55
E-148 – 1/2	1/2	1.436
E-148 – 5/8	5/8	2.587
E-148 – 3/4	3/4	4.293

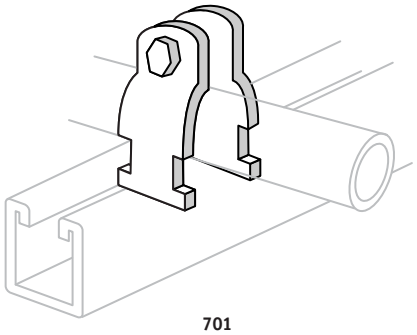
AB-242 Saddle-Type Washer



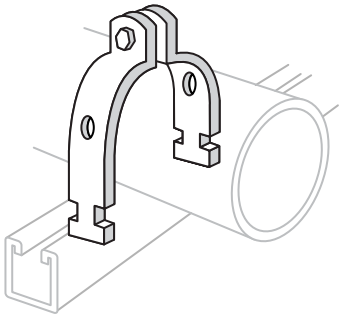
For Rigid Attachment to rod to channel. For use with either 3/8" or 1/2" hanger rod.



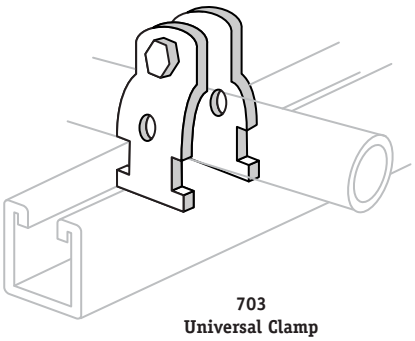
700
Thin Wall Conduit Clamp



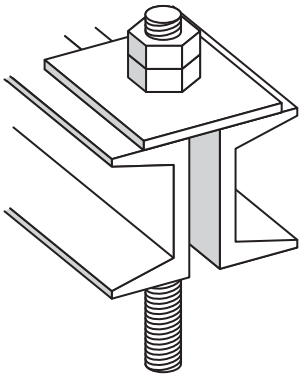
701
OD Tubing Pipe Clamps



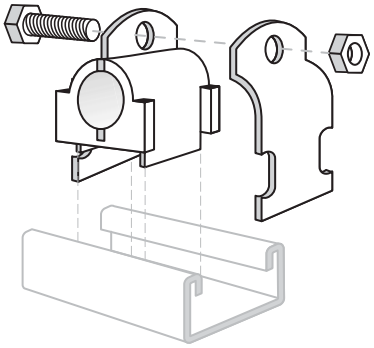
702
Pipe and Rigid or IMC Conduit Clamp



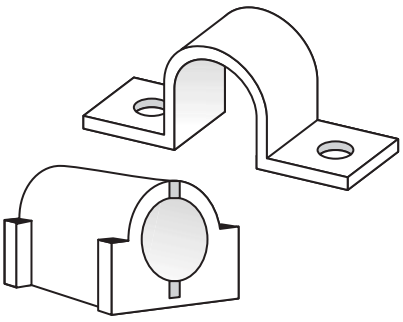
703
Universal Clamp



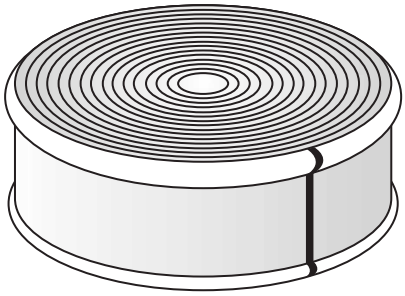
C-781
Mechanical I-Beam Washer



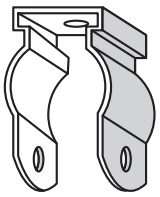
Cushioned Pipe
A-716 Tube Series / P-716 Pipe Series



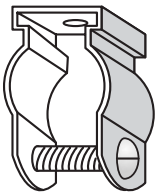
Cushioned Pipe Strap
U-716, U-717 Omega Series



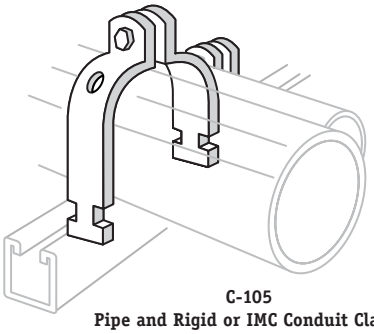
S-716
Cush-A-Strip



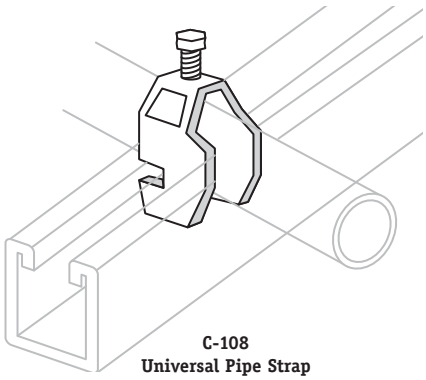
6H Series



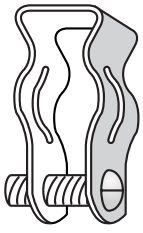
6H-B Series



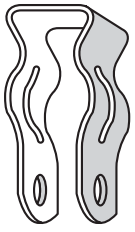
C-105
Pipe and Rigid or IMC Conduit Clamp



C-108
Universal Pipe Strap

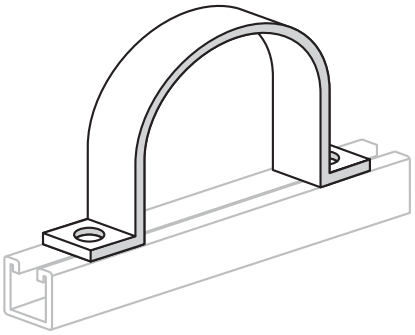


6H-TB
Threaded Series

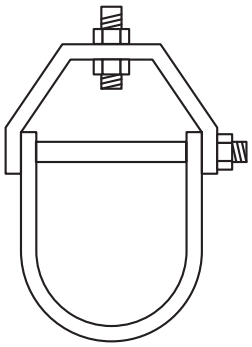


6H-T
Threaded Series

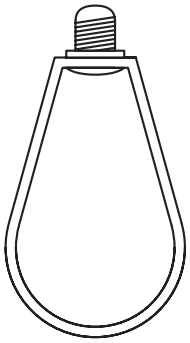
6H Series
Conduit and Pipe Hanger
Standard Finish – Electro-Galvanized (EG)



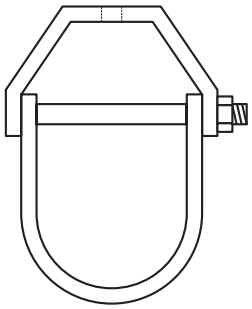
C-708-U
Short Strap for Channel or Wall Mounting
Carbon Steel



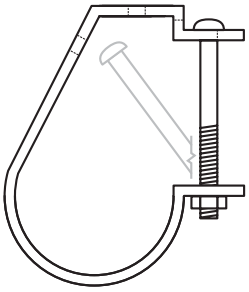
C-710
Adjustable Clevis Hanger



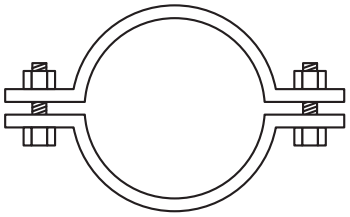
C-727
Adjustable Ring Standard/NFPA



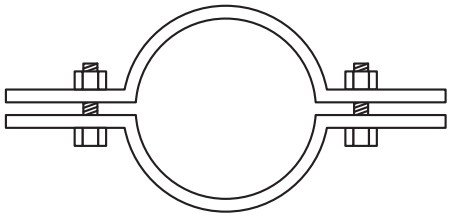
CL-710
Light Duty Clevis Hanger



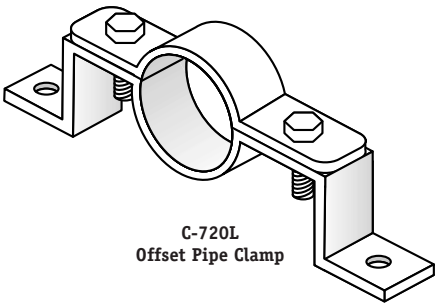
C-711
"J" Pipe Hanger



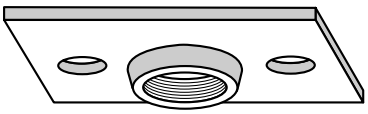
C-725
Medium Pipe Clamp



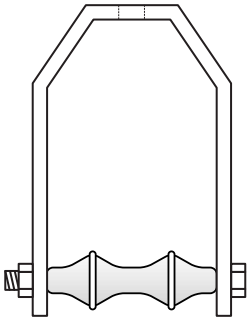
C-720
Riser Clamp



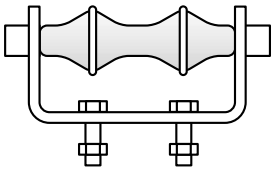
C-720L
Offset Pipe Clamp



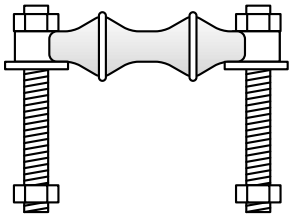
M-742-R
Ceiling Flange



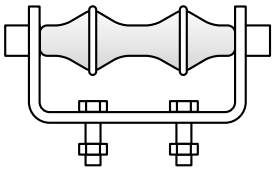
C-729
Adjustable Steel Yoke Pipe Roll



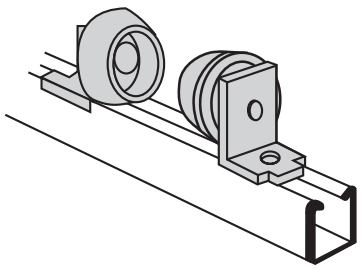
CR-729
Roller Support



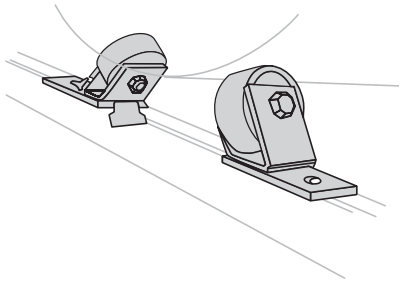
RC-729



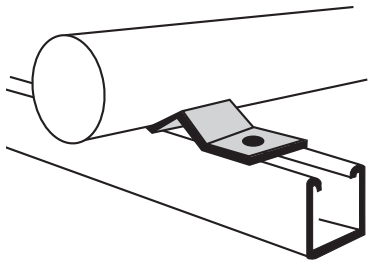
CR-729A



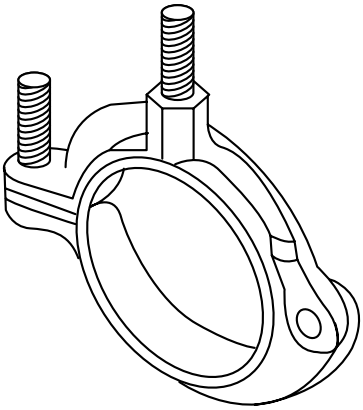
C-728



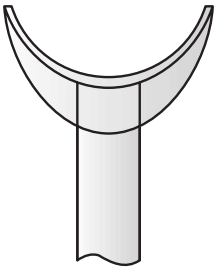
C-728-H



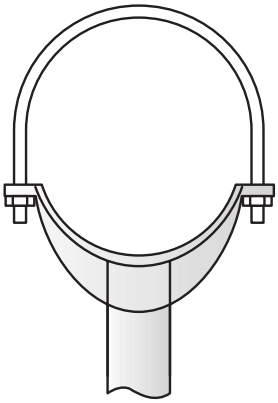
PG-795



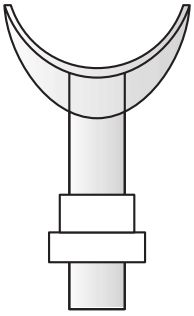
M-718



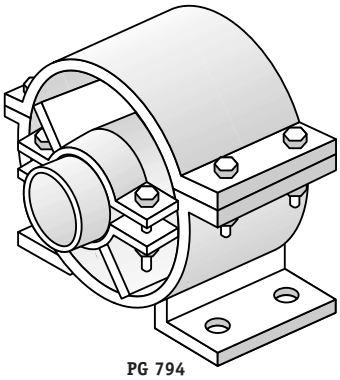
C-785
Pipe Saddle Support



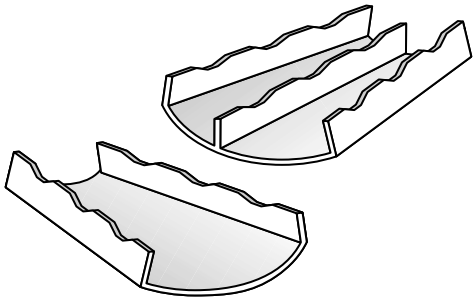
C-785-A
Pipe Saddle with U-Bolt



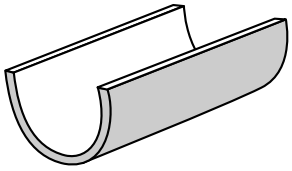
C-786
Adjustable Pipe Saddle Support



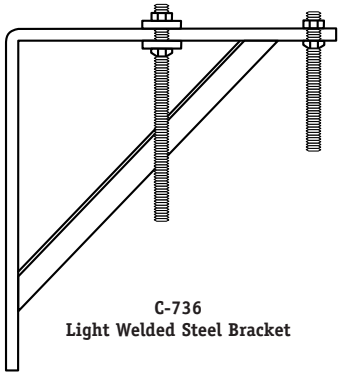
PG 794
Pipe Alignment Guide



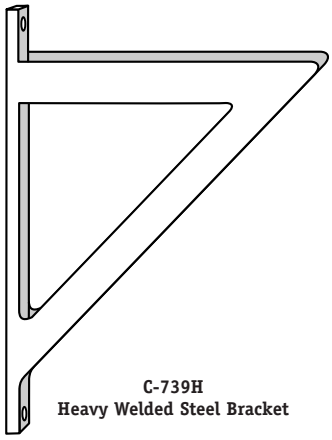
C-789 Series
Pipe Covering Protection Saddle



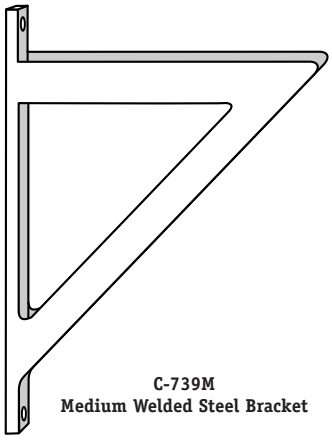
C-790
Insulation Protection Shield



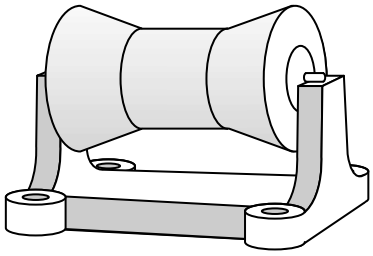
C-736
Light Welded Steel Bracket



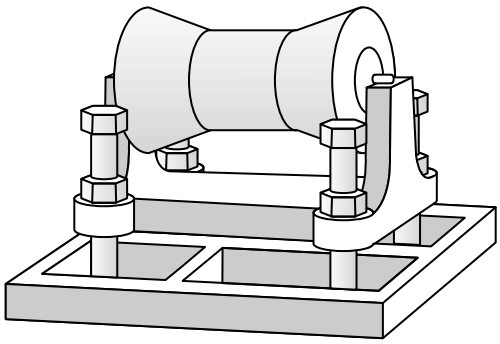
C-739H
Heavy Welded Steel Bracket



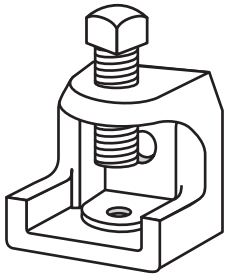
C-739M
Medium Welded Steel Bracket



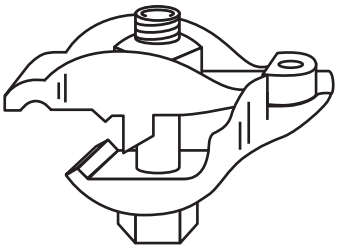
C-730C
Adjustable Pipe Roll Stand



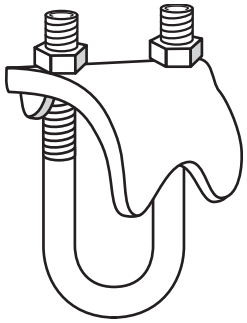
C-730-D
Adjustable Pipe Roll Stand With Base Plate



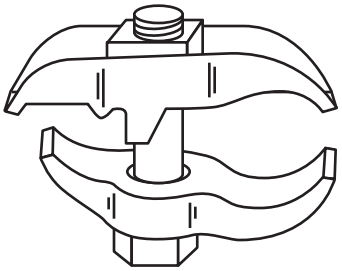
500 Series
Beam Clamp



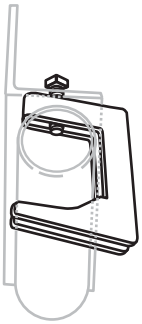
EC Clamp
Malleable Iron



RC Clamp
Malleable Iron
RCS Clamp – Steel

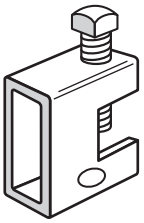


PC Clamp
Malleable Iron

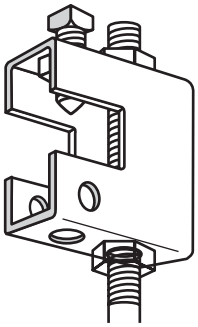


U-571, U-572
Conduit Clamp

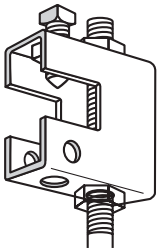
Set Screw Included



U-560
Heavy Duty Beam Clamp

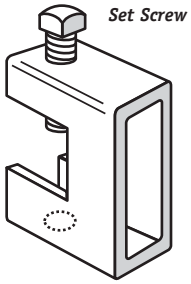


U-562
Beam Clamp

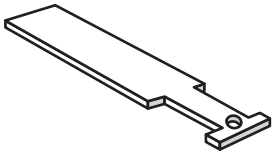


U-563
Beam Clamp

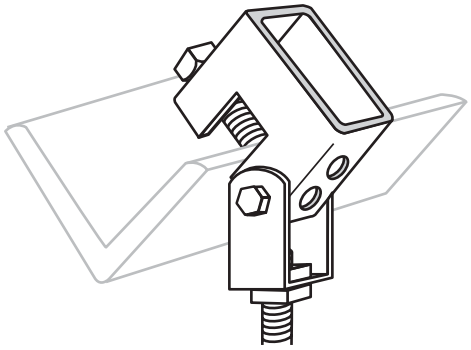
Set Screw Included



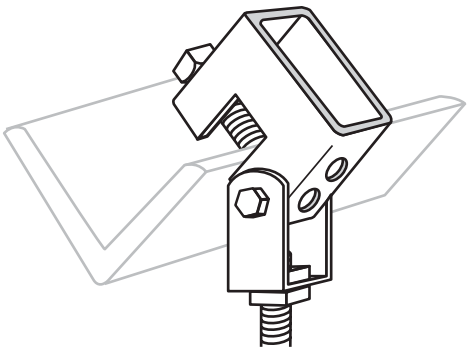
U-564
Wide-Mouthed
Heavy Duty Beam Clamp



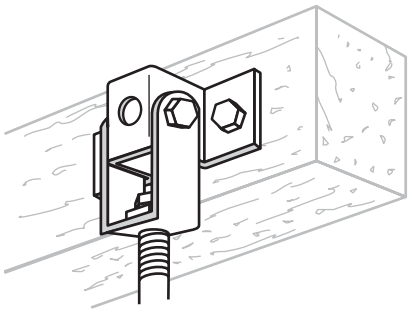
U-568
Beam Clamp Safety Strap



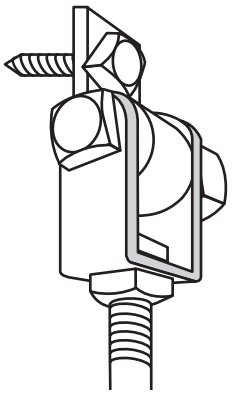
US-563
Beam Clamp with Swing Hanger



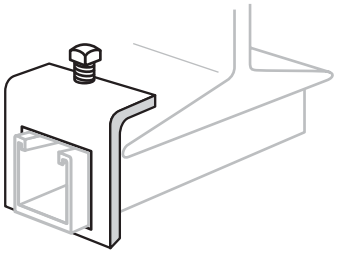
US-562
Beam Clamp with Swing Hanger



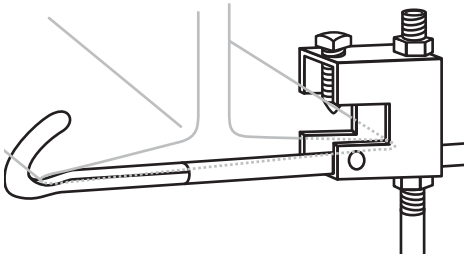
U-577
Clevis and Swing Connector



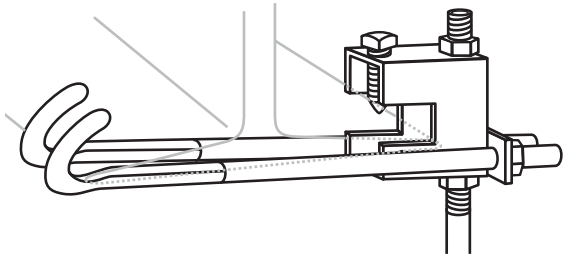
S-541
Swing Connector



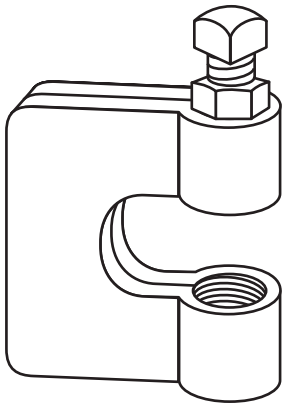
A-597
Channel Support Beam Clamp



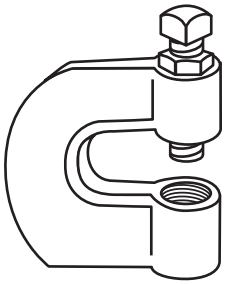
U-569
Beam Clamp



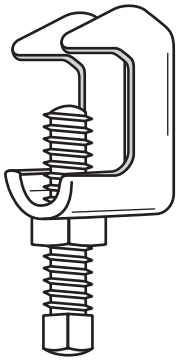
A-570
Beam Clamp with Safety Rod



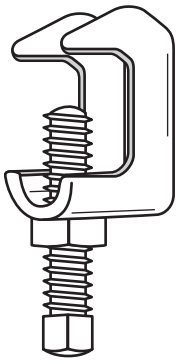
C-775L
Clamp with Lock Nut



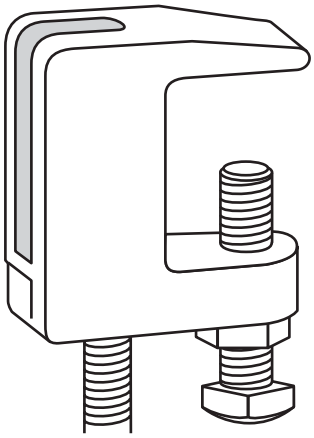
M-775L
Clamp with Lock Nut



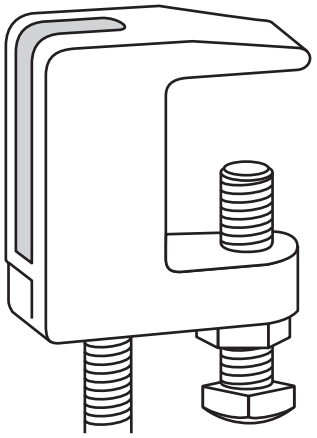
C-777
Steel Top Beam Clamp with Lock Nut



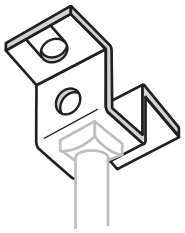
C-778
Steel Wide Jaw Top Beam Clamp with Lock Nut



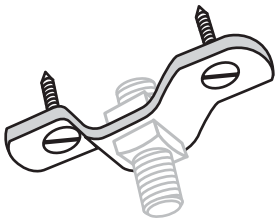
M-777
Junior Top Beam C-Clamp



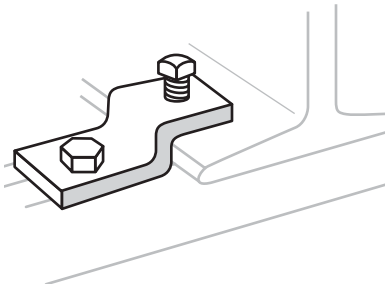
M-778
Top Beam C-Clamp



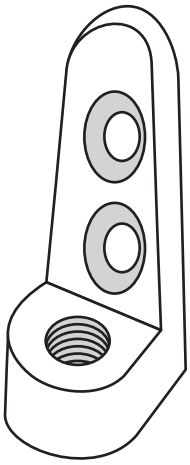
U-576
Hanger Clevis



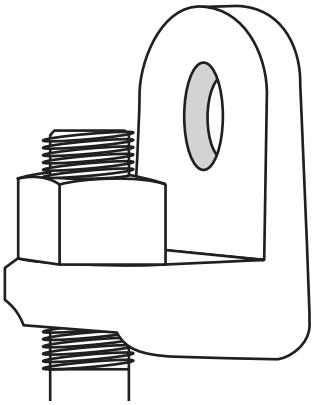
U-579
Ceiling Flange



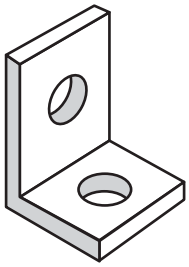
U-510
Channel Support Beam Clamp



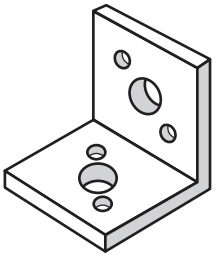
M-762
Side Beam Connector



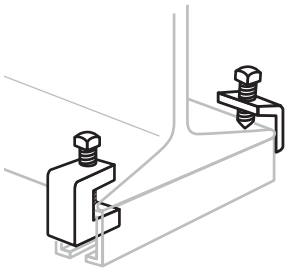
M-750
Side Beam Bracket



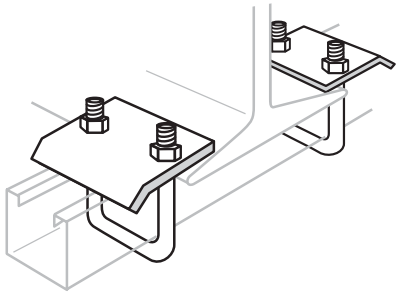
540
Side Beam
Hanger Clip



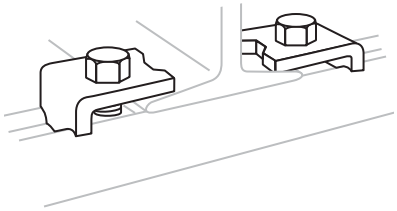
542
Side Beam
Hanger Clip



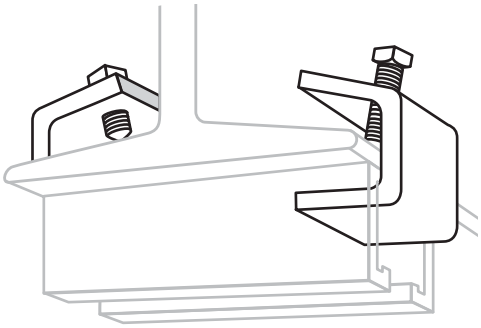
U-514-A
Channel Support
Beam Clamp



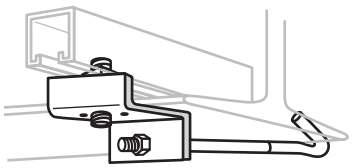
U-501, U-502
Channel Support I-Beam Clamp



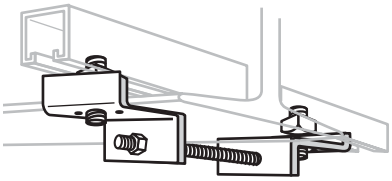
512
Channel Support Beam Clamp



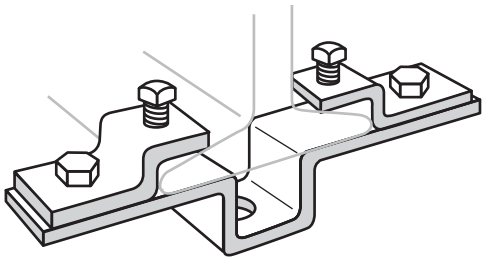
U-514
Channel Support Beam Clamp



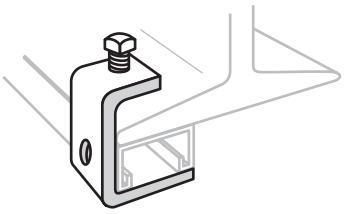
U-504
Channel Support I-Beam Clamp



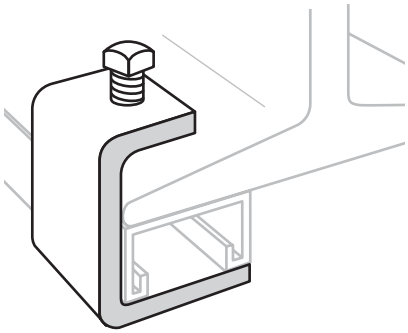
U-505
Channel Support I-Beam Clamp



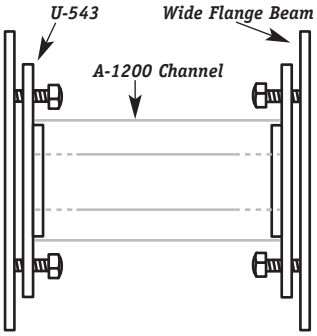
U-520 Series
Channel Support Beam Clamp



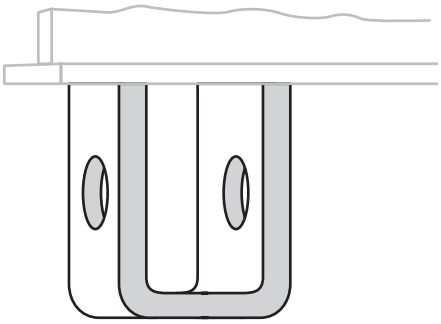
U-515
Channel Support Beam Clamp



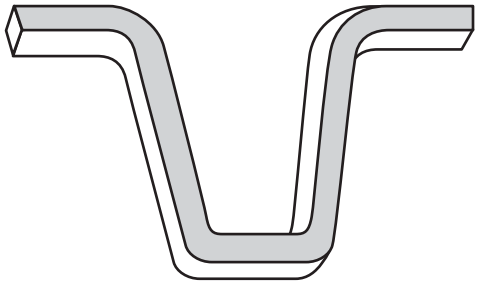
U-515-B
Channel Support Beam Clamp



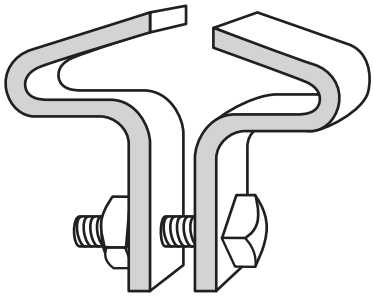
U-543
Adjusting Screw End Caps



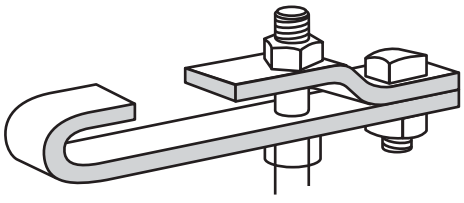
C-780 W/O HDW
Welded Beam Attachment
without Hardware



C-747
Adjustable Beam Attachment

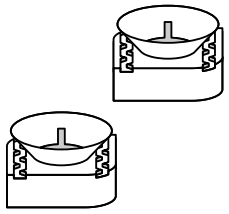


C-755 T
Standard Beam Clamp

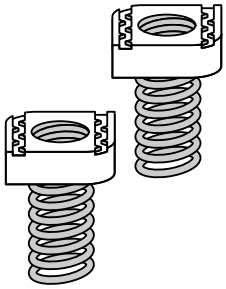


C-769
Side Beam Clamp

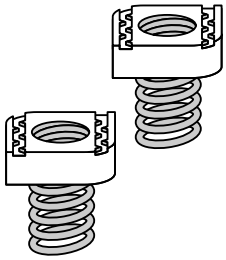
Channel Nuts



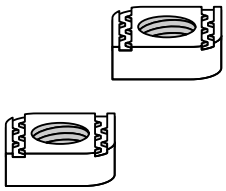
UC-100
Nylon Cone Nut



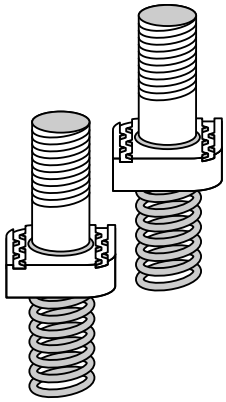
A-100
Regular Spring Nut



B-100
Short Spring Nut

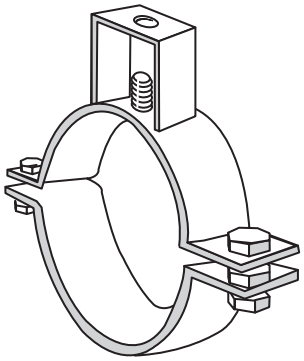


AB-100
Springless Nut

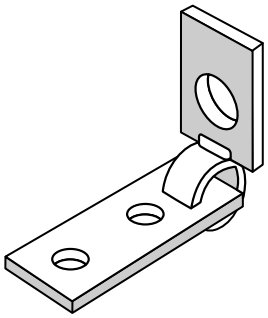


A-182 to A-185
Regular Spring Stud Nut

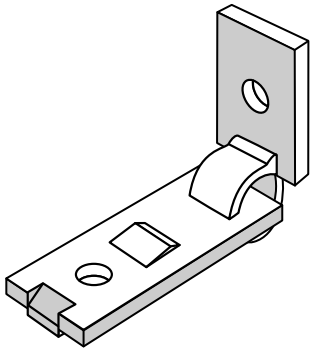
Seismic Bracing



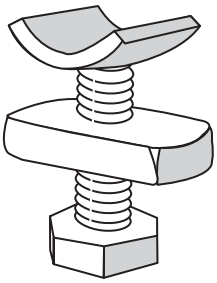
S-720
Adjustable Pipe Hanger



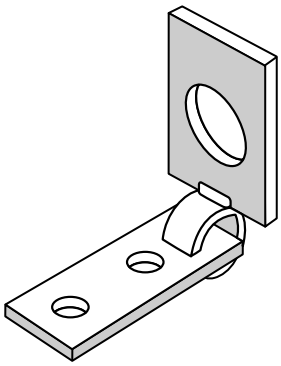
C-749-N-7/8
Seismic Brace



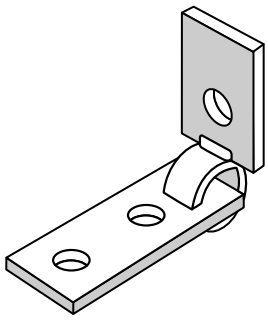
C-749-N
Standard Seismic Brace



ES-142 – 1/2 x 1 1/2
Seismic Bracing Rod
Stiffener Connector



C-749-N-1-1/8
Standard Seismic Brace



C-749-N-5/8
Standard Seismic Brace

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